



Attorney Docket No. 126387.320

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of :
Kozikowski, et al. : Group Art Unit: Not Yet Assigned
Serial No.: 10/733,115 : Examiner: Not Yet Assigned
Filed: December 11, 2003 :
For: INHIBITORS OF PHOSPHATIDYL MYO-INOSITOL

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. § 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. Copies are provided. It is respectfully requested that the documents be expressly considered and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

AUTHORIZATION

No fee is required. The Commissioner is hereby authorized to charge any additional fees which may be required for this submission, or credit any overpayment to deposit account no. 50-0436.

Respectfully submitted,
PEPPER HAMILTON LLP

A handwritten signature in black ink, appearing to read "Raymond A. Miller". The signature is fluid and cursive, with the first name "Raymond" being more prominent than the last name "Miller".

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Date: March 24, 2004



Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known				
				Application Number		10/733,115		
				Filing Date		December 11, 2003		
				First Named Inventor		Kozikowski et al.		
				Group Art Unit		Not yet assigned		
Examiner Name		Not yet assigned						
Sheet	1	of 1		Attorney Docket Number		126387.320		
U.S. PATENT DOCUMENTS								
Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		Number	Kind Code (if known)					
FOREIGN PATENT DOCUMENTS								
Examiner's Initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		T
		Office	Number					
		EP	0583698A2	Bayer Pharma Rue Bellocier	02-23-1994			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or county where published.						T
		J Med Chem 43, pp 3045-3051 by Hu et al 7/2000.						
		Carpenter et al., J. Biol. Chem., "Phosphoinositide 3-Kinase is Activated by Phosphopeptides that Bind to the SH2 Domains of the 85kDa Subunit," 268: 9478-9483 (1993).						
		Kozikowski et al., J. of Medical Chem., "Synthesis and Biology of 1D-3-Deoxyphosphatidylinositol: A Putative Antimetabolite of Phosphatidylinositol-3-Phosphate and an Inhibitor of Cancer Cell Colony Formation," 38: 1053-1056 (1995).						
		Hu et al., Bioorganic & Medicinal Chemistry Letters 11(2001) 173-176, "3-Deoxy-3substituted-d- <i>myo</i> -inositol Imidazolyl Ether Lipid Phosphates and Carbonate as Inhibitors of the Phosphatidylinositol 3-Kinase Pathway and Cancer Cell Growth"						
		Kozikowski, et al., Teirahedron, "Synthesis of 1D-3-Deoxy- and -2,3-Dideoxyphosphatidylinositol", Vol. 53, No. 44, pp. 14903-14914, 1997.						
		Schultz et al., Anticancer Res., "In Vitro and In Vivo Antitumor Activity of the Phosphatidylinositol-3-Kinase Inhibitor, Wortmannin," 15: 1135-1140 (1995). Abstract.						
		Wymann et al., Mol. Cell Biol., "Wortmannin Inactivates Phosphoinositide 3-Kinase by Covalent Modification of Lys-802, a Residue Involved in the Phosphate Transfer Reaction" 16:1722-1733 (1996).						
		Cross et al., J. Biol. Chem, "Wortmannin and its structural analogue demethoxyviridin inhibit stimulated phospholipase A2 activity in swiss 3T3 cells Wortmannin is not a specific inhibitor of phosphatidylinositol 3-kinase" 270: 25352-25355 (1995).						
		Lemmon et al., Cell, "PH domains: diverse sequences with a common fold recruit signaling molecules to the cell surface" 85: 621-624 (1996). Abstract.						
		Nakanishi et al., J. Biol Chem, "Activation of the zeta isozyme of protein kinase C by phosphatidylinositol 3,4,5-trisphosphate" 268: 13-6 (1993).						

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

APPLICANT: Kozikowski et al.
TITLE: INHIBITORS OF PHOSPHATIDYL MYO-INOSITOL
SERIAL NO. 10/733,115
ATTORNEY REF: 126387.320
DATE OF DEPOSIT: March 24, 2004

I HEREBY CERTIFY THAT THIS INFORMATION DISCLOSURE STATEMENT WITH COPIES OF REFERENCES CITED THEREIN IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE VIA FIRST CLASS MAIL UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO COMMISSIONER FOR PATENTS, MAIL STOP DD, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

Jennifer Martinez

(Typed or printed name of person mailing paper or fee)

Documents Enclosed:

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3. Postcard